

地质科技通报

原《地质科技情报》

2021年 第40卷 第1期
(总第196期)

(国内外公开发行人,双月刊)
2021年1月出版

目次

· 资源地质工程 ·

- 湘东北冷家溪群沉积岩地球化学特征及其构造意义 柏道远,蒋启生,李彬,姜文,李银敏(1)
- 远源细粒辫状河心滩坝演化与河流分叉的交互沉积过程:现代沉积启示与数值模拟分析 甘泉(14)
- 缅甸含油气盆地群形成演化及其地球动力学背景 王营,辛仁臣(27)
- 云南乌东德水电站施期料场中元古代热液白云岩研究
..... 于永顺,焦良轩,欧阳光,胡进武,刘冲平,张熊,宛良朋,李果,余振兵,王团乐(36)
- 正安地区五峰组—龙马溪组页岩储层特征及控制因素
..... 张福,黄艺,蓝宝锋,李龙,刘婷,刘睿,江定川(49)
- 鄂尔多斯盆地杭锦旗地区盒1段致密砂岩孔隙结构分形特征及其与储层物性的关系
..... 刘凯,石万忠,王任,覃硕(57)
- 陆相泥页岩层系岩相测井识别与预测:以南堡凹陷拾场次洼为例 曾棒,刘小平,刘国勇,王绍春,李国永(69)
- 南方下古生界海相页岩极低电阻率成因及其地质意义
..... 侯宇光,张坤朋,何生,覃魏峰,肖艳,王成,余锐(80)
- 向阳坪铀矿床沥青铀矿微区原位 LA-ICP-MS U-Pb 年龄及稀土元素特征
..... 李杰,黄宏业,刘子杰,张涛,陈琪,邹明亮(90)
- 重力滑脱构造差异性及其对油气成藏影响分析:以下刚果—刚果扇、尼日尔三角洲盆地对比分析为例
..... 李丹,逢林安,康洪全,曹向阳,刘小龙,贾建忠,马韶光(100)
- 琼东南盆地陵水凹陷北部梅山组砂质碎屑流沉积特征及油气地质意义
..... 李安琪,叶绮,王真真,李明,陈奎(110)
- 印度尼西亚苏门答腊岛浅成低温热液型金(银)矿产资源总量预测
..... 赵风顺,华杉,吴昊,张晓军,杨森林,魏译文(119)
- 机器学习方法在矿产资源定量预测应用研究进展 马瑶,赵江南(132)
- 致密砂岩酸性和碱性成岩环境特征及对储层物性的控制:以鄂尔多斯盆地临兴和神府地区为例
..... 尹相东,蒋恕,吴鹏,高伟(142)
- SBM-DEA 模型在储层综合定量评价中的应用
..... 朱兆群,曲丽丽,李丹,林承焰,吴复柱,杨玲,孙明翔,明红霞(152)

· 工程地质与地质灾害 ·

- 不同临空条件的层状反倾岩质边坡倾倒变形几何特征参数影响规律
..... 黄少平,晏鄂川,尹晓萌,陈前,李兴明(159)
- 成层土中轴横受荷桩水平响应的非线性解 邢康宇,陆洪智,陈耀春,王新国,张凯顺,吴文兵(166)

· 环境地质与水文地质 ·

- 基于水力走时反演刻画裂隙含水层非均质性
..... 吴双红,刘泉,戚俊杰,裘鹏翔,杨惠宸,陶然,Thomas Ptak,胡睿(175)
- 粒度端元记录的靖边地区 MIS 3 以来的气候变化 巩雪娇,王攀,杨振京,董秋瑶,宋超,郭娇,陈洪云(184)
- 河套平原地下水中砷的空间变异特征及影响因素分析 张皓月,刘文波,张绪教,苏春利(192)

· 新技术新方法 ·

- 钻井液用高分子聚合物高温流变特性影响因素探究 朱旭明,乌效鸣,郑文龙,迪娜·木拉提,蒋子为(200)
- 基于遥感蚀变信息提取巴林格撞击坑周边铁陨石
..... 崔静月,董玉森,岳文丽,阿不都拉·阿布都卡地尔,张帮政(209)

主 编:王 华 副 主 编:甘义群 李长冬 姜 涛 孙自永 杨 勇
编辑部主任:刘江霞 责任编辑:杨 勇 英文审稿:严 瑾 刊名题字:朱 立

期刊基本参数:CN42-1904/P*1982*b*A4*216*zh*P*¥25.00*1000*22*2021-1

BULLETIN OF GEOLOGICAL SCIENCE AND TECHNOLOGY

(Bimonthly)

Vol. 40 No. 1 Jan. 2021

CONTENTS

- Geochemistry and tectonic implication of the sedimentary rocks in Lengjiayi Group in northeastern Hunan
..... *Bai Daoyuan, Jiang Qisheng, Li Bin, Jiang Wen, Li Yinmin* (1)
- Interaction and sedimentary process between the evolution of the bar and bifurcation of the river in the far-source fine-grained braided river; Numerical simulation analysis inspired by modern deposition *Gan Quan* (14)
- Evolution and geodynamic background of Myanmar petroliferous basin group *Wang Ying, Xin Renchen* (27)
- Hydrothermal dolostones in the Shiqi quarry of Wudongde Hydropower Station, Yunnan ... *Yu Yongshun, Jiao Liangxuan, Ouyang Guang, Hu Jinwu, Liu Chongping, Zhang Xiong, Wan Liangpeng, Li Guo, She Zhenbing, Wang Tuanle* (36)
- Characteristics and controlling factors of shale reservoir in Wufeng Formation-Longmaxi Formation of the Zheng'an area
..... *Zhang Fu, Huang Yi, Lan Baofeng, Li Long, Liu Ting, Liu Rui, Jiang Dingchuan* (49)
- Pore structure fractal characteristics and its relationship with reservoir properties of the first Member of Lower Shihezi Formation tight sandstone in Hangjinqi area, Ordos Basin *Liu Kai, Shi Wanzhong, Wang Ren, Qin Shuo* (57)
- Logging identification and prediction of lithofacies of lacustrine shale system in Shichang Sub-Sag, Nanpu Depression
..... *Zeng Bang, Liu Xiaoping, Liu Guoyong, Wang Shaochun, Li Guoyong* (69)
- Origin and geological significance of ultra-low resistivity in Lower Paleozoic marine shale, South China
..... *Hou Yuguang, Zhang Kunpeng, He Sheng, Qin Weifeng, Xiao Yan, Wang Cheng, Yu Rui* (80)
- In-situ U-Pb dating of pitchblende and the REE characteristics using LA-ICP-MS in Xiangyangping uranium deposit
..... *Li Jie, Huang Hongye, Liu Zijie, Zhang Tao, Cheng Qi, Zou Mingliang* (90)
- Difference analysis of gravity decollement structures and its effect on hydrocarbon accumulation: By comparing analysis of Lower Congo-Congo Fan Basin and Niger Delta Basin *Li Dan, Pang Lin'an, Kang Hongquan, Cao Xiangyang, Liu Xiaolong, Jia Jianzhong, Ma Shaoguang* (100)
- Sedimentary characteristics and significance in hydrocarbon exploration of sandy debris flow in Meishan Formation of the northern Lingshui Sag, Qiongdongnan Basin *Li Anqi, Ye Qi, Wang Zhenzhen, Li Ming, Chen Kui* (110)
- Quantitative prediction of the undiscovered epithermal gold(silver) mineral resources in Sumatra, Indonesia
..... *Zhao Fengshun, Hua Shan, Wu Hao, Zhang Xiaojun, Yang Senlin, Wei Yiwen* (119)
- Advances in the application of machine learning methods in mineral prospectivity mapping *Ma Yao, Zhao Jiangnan* (132)
- Features of the acid and alkaline diagenetic environment of tight sandstones and the control of the reservoir physical properties: A case study of the Linxing and Shenfu district, eastern Ordos Basin ... *Yin Xiangdong, Jiang Shu, Wu Peng, Gao Wei* (142)
- Application of SBM-DEA model in comprehensive quantitative evaluation of reservoir
..... *Zhu Zhaoqun, Qu Lili, Li Dan, Lin Chengyan, Wu Fuzhu, Yang Ling, Sun Mingxiang, Ming Hongxia* (152)
- Action law of geometrical characteristic parameters in the anti-dip rock slopes under different free face condition
..... *Huang Shaoping, Yan Echuan, Yin Xiaomeng, Chen Qian, Li Xingming* (159)
- Nonlinear solutions of lateral response for piles under axial and lateral load embedded in layered soils
..... *Xing Kangyu, Lu Hongzhi, Chen Yaochun, Wang Xinguo, Zhang Kaishun, Wu Wenbing* (166)
- Characterization of the heterogeneity of a fractured aquifer based on hydraulic travel time inversion
..... *Wu Shuanghong, Liu Quan, Qi Junjie, Qiu Pengxiang, Yang Huichen, Tao Ran, Thomas Ptak, Hu Rui* (175)
- Climate change recorded by the grain size end member since MIS 3 in Jingbian area
..... *Gong Xuejiao, Wang Pan, Yang Zhenjing, Dong Qiuyao, Song Chao, Guo Jiao, Chen Hongyun* (184)
- Analysis of spatial variability and influencing factors of arsenic in groundwater of Hetao Plain, Inner Mongolia
..... *Zhang Haoyue, Liu Wenbo, Zhang Xujiao, Su Chunli* (192)
- Factors affecting high temperature rheological properties of polymers used in drilling fluid
..... *Zhu Xuming, Wu Xiaoming, Zheng Wenlong, Mulati Dina, Jiang Zirwei* (200)
- Extraction of iron meteorites from the Barringer Meteor Crater based on remote sensing alteration information
..... *Cui Jingyue, Dong Yusen, Yue Wenli, Abudula-Abudukadier, Zhang Bangzheng* (209)

2018 年度中国高校优秀科技期刊
2017 年获第十届湖北省优秀期刊奖
2016 年度中国高校优秀科技期刊
2015 年获第九届湖北省优秀期刊奖
2014 年获第五届中国高校优秀科技期刊奖

地 质 科 技 通 报
DIZHI KEJI TONGBAO
(双月刊)1982 年创刊

第 40 卷 第 1 期 (总第 196 期) 2021 年 1 月

BULLETIN OF GEOLOGICAL
SCIENCE AND TECHNOLOGY
(Bimonthly) Established in 1982

Vol. 40 No. 1 (Tot. No. 196) Jan. 2021

主管单位: 中华人民共和国教育部
主办单位: 中国地质大学(武汉)
主 编: 王 华
编辑出版: 中国地质大学(武汉)《地质科技通报》编辑部
地 址: 湖北省武汉市洪山区鲁磨路 388 号
电 话: +86-27-67885048
传 真: +86-27-67884173
电子信箱: kjqb @ cug. edu. cn
印 刷: 武汉市籍缘印刷厂
国内发行: 湖北省邮政局
邮发代号: 38—130
海外总发行: 中国国际图书贸易集团有限公司
国外发行代号: BM7999
广告经营许可证: 4201003002914

Edited by Editorial Department of
*Bulletin of Geological Science and
Technology of China University
of Geosciences (Wuhan)*
Chief Editor: Wang Hua
Postal Address: 430074, Wuhan, Hubei, China
Tel: +86-27-67885048
Fax: +86-27-67884173
E-mail: kjqb @ cug. edu. cn
Overseas Distributed by China National
Publishing Industry Trading Corpo-
ration (Address: P. O. Box 782, Beijing)

公开发行 刊号: ISSN 2096—8523 (国际标准刊号)
CN 42—1904/P (国内统一刊号)

定价: 25.00 元/本